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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/734,592	12/15/2003	Ji-sub Park	1793.1001	1426
21171	7590	11/02/2007		
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			EXAMINER LEE, CHEUKFAN	
			ART UNIT 2625	PAPER NUMBER
			MAIL DATE 11/02/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

**Application No.**

10/734,592

**Applicant(s)**

PARK, JI-SUB

**Examiner**

Cheukfan Lee

**Art Unit**

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 20-38 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 20,28 and 32-37 is/are rejected.
- 7) ☒ Claim(s) 21-27,29-32, and 37 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>5/2/05, 6/15/05</u> . | 6) <input type="checkbox"/> Other: _____  |

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1. Claims 20-38 are pending. Claims 20, 28 and 33 are independent.
2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 20, 28, 32-36, and 37 are rejected under 35 U.S.C. 102(e) as being anticipated by Morita et al. (Japanese Patent Application Publication No. 07-111579), cited by Applicant in the IDS filed May 2, 2005. A machine translation of the JP reference is attached.

Regarding claim 20, Morita et al. discloses a method of scanning an image by reading and scanning an original document line by line using an image sensor (abstract), the method comprising determining whether a first side of the periphery of the original document is detected while moving the image sensor (paragraph 0034 and the paragraph above, paragraph 0013), detecting first and second reference points respectively representing first and second end points of the first side (paragraph 0034 and 0013), scanning an image between the first and second reference points (paragraphs 0034 and 0035), determining whether a second side of the original

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document opposite to the first side is detected (paragraph 0035), and stopping the scanning (paragraph 0035).

Claim 28 is rejected as being an apparatus claim corresponding to the rejected method claim 20.

Regarding claim 32, Morita discloses a flatbed (3) below which the image sensor is moved (Fig. 15).

Regarding claim 33, the claimed method is met by Morita. Morita's method comprises moving an image sensor a single time from a first side (upper edge as viewed in Fig. 9) of a document (manuscript) to a second side (the lower edge) of the document opposite the first side, detecting a size of the document during the moving, and scanning the document during the moving (paragraphs 0034 and the paragraph above, paragraphs 0035 and 0043). Please also refer to the discussion for claim 20.

Regarding claim 34, the scanning is performed line by line (abstract).

Regarding claim 35, the document being scanned is rectangular (see Fig. 9).

Regarding claim 36, detecting second and third line images (corresponding to the left and right edges of the document) are inherent in Morita as the document size is detected by detecting the image line by line.

Regarding claim 38, the claim recites "wherein the moving comprises moving the image sensor only within the area of the scanned document". The limitation "moving the image sensor only within the area of the scanned document" is comprised in the moving process. This means that the claim does not exclude other things/steps, such as moving the image sensor outside the area of the scanned document, being comprised in the moving. Thus, the moving of the image sensor inside and outside of the area of the document meets the claim limitation.

4. Claims 21-27, 29-31, and 37 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The following is an examiner's statement of reasons for allowance:

Claims 21, 23, 25, 29, and 37 each recite limitation related to "a predetermined distance" from one or two end points. This feature is not disclosed by Morita (JP Pub. No. 07-111579). It seems like Morita detects the manuscript (size) by detecting the black and white values (see signal BLK2) and does not disclose detecting a straight line more than a predetermined distance from an end point(s).

Claims 22, 26 and 27 depend on claim 21. Claim 24 depends on claim 23.

Claims 30 and 31 depend on claim 29.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kamon (US 4,875,104), col. 10, lines 28-33, col. 13, lines 29+

Hulan et al. (US 5,987,270)

Lee (Patent Application Publication No. US 2003/0179421 A1)

Shih et al. (US 6,937,369)

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheukfan Lee whose telephone number is (571) 272-7407. The examiner can normally be reached on 9:30 a.m. to 6:00 p.m., Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Cheukfan Lee  
September 29, 2007